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PROPOSED CLAIMS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Serial No. 08/857,273

Group Art Unit: 2609

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For: PORTABLE COMMUNICATION DISPLAY DEVICE

THIS IS FOR DISCUSSION ONLY

CLAIMS

21. (Amended) A portable communications device comprising:

a [device] telephone housing;

a wireless transceiver with the telephone housing
for transmitting and receiving audio;

a wireless receiver within the telephone housing that
receives image data;

an active matrix liquid crystal display, the display
having an active matrix circuit including an array of
transistor circuits and an array of pixel electrodes such
that the active matrix circuit is bonded to an optically
transmissive substrate with an adhesive layer;

a light source in the housing for the display;

a display driver circuit connected to the wireless
receiver;

a lens that enlarges an image displayed on the display
for viewing by a user; [and]

a display control panel on the [device] telephone
housing; and

a battery carried by the telephone housing for powering
the transceiver, the receiver, the display, the light
source, and the circuit.

08/857,273

Examiner X. Wu

DRAFT - FOR DISCUSSION ONLY

Page 2

22. (Amended) The device of Claim 21 wherein the active matrix liquid crystal display and the lens are positioned within a display module attached to the [device] telephone housing.
23. (Amended) The device of Claim 22 wherein the display module rotates relative to the [device] telephone housing.
24. (Amended) The device of Claim 21 wherein the [device] telephone housing comprises a head mounted support.
25. The device of Claim 21 wherein the active matrix liquid crystal display comprises a video display.
26. The device of Claim 21 wherein the display has an array of at least 640 x 480 pixel electrodes.
27. The device of Claim 21 further comprising a cholesteric liquid crystal element along an optical path between the display and the lens.
28. The device of Claim 21 further comprising a video processing circuit within the housing.
29. The device of Claim 21 further comprising a port for receiving a memory card.

Claim 30 canceled.

31. The device of Claim 21 further comprising a backlight for the active matrix display.
32. The device of Claim 31 wherein the backlight comprises red, green and blue light sources.

08/857,273
DRAFT - FOR DISCUSSION ONLY

Examiner X. Wu
Page 3

33. The device of Claim 21 further comprising a modem within the device housing.
34. The device of Claim 21 wherein the array of transistors is formed with a silicon-on-insulator (SOI) structure.
35. The device of Claim 21 wherein the display module comprises a reflector around the backlight.
36. The device of Claim 21 wherein the display has a diagonal length of 0.7 inches or less.
37. The device of Claim 21 further comprising a central processing unit within the device housing.
38. The device of Claim 22 further comprising a flexible ribbon cable connecting the device housing and the display module.
39. The device of Claim 21 wherein the active matrix display and the lens are on a single optical axis.
40. (Amended) A portable wireless telephone comprising:
 - a telephone housing;
 - a wireless receiver within the housing that receives audio and image data;
 - an active matrix liquid crystal display, the display having an active matrix circuit including an array of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer;
 - a display driver circuit connected to the wireless receiver;
 - a lens that enlarges an image displayed on the display for viewing by a user; [and]

08/857,273
DRAFT - FOR DISCUSSION ONLY

Examiner X. Wu
Page 4

a display control panel on the telephone [device]
housing; and
a battery within the telephone housing for powering the
receiver, the display and the driver circuit.

41. (Amended) The device of Claim 40 wherein the active matrix liquid crystal display and the lens are positioned within a display module attached to the [device] telephone housing.
42. (Amended) The device of Claim 41 wherein the display module rotates relative to the [device] telephone housing.
43. The device of Claim 40 wherein the housing comprises a head mounted support.
44. The device of Claim 40 wherein the active matrix liquid crystal display comprises a video display.
45. The device of Claim 40 wherein the display has an array of at least 640 x 480 pixel electrodes.
46. The device of Claim 40 further comprising a cholesteric liquid crystal element along an optical path between the display and the lens.
47. The device of Claim 40 further comprising a video processing circuit within the housing.
48. The device of Claim 40 further comprising a port for receiving a memory card.

Claim 49 is canceled 49.

08/857,273

DRAFT - FOR DISCUSSION ONLY

Examiner X. Wu

Page 5

50. The device of Claim 40 further comprising a backlight for the active matrix display.
51. The device of Claim 50 wherein the backlight comprises red, green and blue light sources.
52. (Amended) The device of Claim 40 further comprising a modem within the telephone [device] housing.
53. The device of Claim 40 wherein the array of transistors is formed with a silicon-on-insulator (SOI) structure.
54. The device of Claim 41 wherein the display module comprises a reflector around the backlight.
55. The device of Claim 40 wherein the display has a diagonal length of 0.7 inches or less.
56. The device of Claim 40 further comprising a central processing unit within the [device] telephone housing.
57. (Amended) The device of Claim 41 further comprising a flexible ribbon cable connecting the [device] telephone housing and the display module.
58. The device of Claim 40 wherein the active matrix display and the lens are on a single optical axis.
59. (Amended) A method of viewing an image with a portable communications device comprising:
 - providing a [device] telephone housing enclosing a wireless image receiver, and a;
 - providing an active matrix liquid crystal display, the display having an active matrix circuit including an array

08/857,273

DRAFT - FOR DISCUSSION ONLY

Examiner X. Wu

Page 6

of transistor circuits and an array of pixel electrodes such that the active matrix circuit is bonded to an optically transmissive substrate with an adhesive layer;

powering the receiver, the transceiver, and the display by a battery in the telephone housing;

operating a display control panel on the device housing to display an image, the control panel being connected to a display driver circuit and the wireless receiver; and viewing through a lens an enlarged image displayed on the display.

60. (Amended) The method of Claim [60] 59 further comprising providing the active matrix liquid crystal display and lens are positioned within a display module attached to the [device] telephone housing.
61. (Amended) The method of Claim 60 further comprising rotating the display module relative to the [device] telephone housing.
62. (Amended) The method of Claim 59 further comprising mounting the [device] telephone housing on a head mounted support.
63. The method of Claim 59 further comprising displaying a video display.
64. The method of Claim 59 further comprising providing a display with an array of at least 640 x 480 pixel electrodes.
65. The method of Claim 59 further comprising providing a video processing circuit within the housing.

08/857,273

DRAFT - FOR DISCUSSION ONLY

Examiner X. Wu

Page 7

66. The method of Claim 59 further comprising providing a port in the housing for receiving a memory card.

Claim 67 is canceled.

68. The method of Claim 59 further comprising providing a backlight for the active matrix display.

69. The method of Claim 59 further comprising providing a modem within the device housing.

70. The method of Claim 59 further comprising providing the array of transistors formed with a silicon-on-insulator (SOI) structure.